

AMENDMENT TO THE CLAIMS

Please amend claims 1, 16, 21, 25 and 27.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A system for pre-processing orders before they are transmitted to an order processing system, comprising:

an order interceptor receiving and pre-processing electronic sales order data ~~as presented at different ordering stages~~ prior to transmitting to the order processing system, the order interceptor being capable of adding, changing and deleting electronic sales order data, wherein changes to an electronic sales order are logged so as to provide an audit trail of activity;

an interface system receiving the electronic sales order data from the order interceptor and performing an availability check, wherein the availability check determines the portions of the electronic sales order data that can be satisfied; and

means for transmitting at least a portion of the electronic sales order data to the order processing system for order processing.

2. (Canceled)

3. (Previously Presented) The system of claim 1, wherein the order interceptor comprises:
means for translating the electronic sales order data to an internal format of the

order interceptor;

means for determining if an availability check is required;

means for transmitting at least a portion of the electronic sales order data; means for determining if there are any processing problems associated with the electronic sales order data;

and

means for processing the electronic sales order data in accordance with business rules.

4. (Original) The system of claim 1, further comprising a workbench receiving electronic sales order data that contains errors or is incomplete.

5. (Canceled)

6. (Previously Presented) The system of claim 4, wherein the workbench comprises:

a) means for displaying electronic sales order data that contains errors or is incomplete;

b) means for displaying error messages associated with the electronic sales order data of step a); and

c) means for correcting, editing, and updating the at least one database containing electronic sales order data.

7. (Canceled)

8. (Original) The system of claim 6, wherein the workbench further comprises: means for displaying the status of the electronic sales order data;
means for determining if the configuration rules are satisfied; and
means for indicating to the order interceptor that at least a portion of the electronic order data is rejected.

9. (Original) The system of claim 1, further comprising a reject acknowledgment system receiving an indication from the order interceptor that at least a portion of the electronic sales order data has been rejected.

10. (Canceled)

11. (Previously Presented) The system of claim 9, wherein the reject acknowledgment system comprises:

means for updating the at least one database to indicate the portions of the electronic order data that have been rejected.

12. (Canceled)

13. (Previously Presented) The system of claim 11, wherein the reject acknowledgment system further comprises:

means for determining if the electronic sales order data was received via a transmission from the World Wide Web; and

means for updating the at least one database in either an ESO format or an SAP format.

14. (Original) The system of claim 1, wherein the order interceptor receives the electronic sales order data in a standard Electronic Data Interchange (EDI) format.

15. (Original) The order interceptor system of claim 1, wherein the system is an SAP system.

16. (Currently Amended) A computer implemented method of processing electronic sales order data before it is transmitted to an order processing system, comprising the steps of:

receiving electronic sales order data for pre-processing the electronic sales order data as ~~presented at different ordering stages~~ prior to being transmitted to the order processing system, the order interceptor being capable of adding, changing and deleting electronic sales order data, wherein a hierarchy of the electronic sales order data is redetermined when changes are applied to an electronic sales order;

translating the electronic sales order data to an internal format;

transmitting the electronic sales order data to an interface system, wherein the interface system performs an availability check to determine what portion of the electronic sales order data that can be satisfied; and

if the availability check indication is to transmit, transmitting the designated portions of the internal format data to the order processing system.

17. (Original) The computer implemented method of claim 16, further comprising the steps of:

- a) processing the electronic sales order data in accordance with business rules;
- b) determining if there are any processing problems associated with the electronic sales order data; and
- c) if there are processing problems in step b), transmitting an electronic message to at least one user indicating that the electronic sales order data contains errors or is incomplete.

18. (Original) The computer implemented method of claim 17, further comprising the steps of:

- enabling a user to correct the electronic sales order data; and
- transmitting the corrected electronic sales order data to the order processing system.

19. (Original) The computer implemented method of claim 16, further comprising the steps of:

rejecting the electronic sales order data that cannot be filled; and
updating at least one database to indicate the portions of the electronic order data
that have been rejected.

20. (Original) The computer implemented method of claim 16, wherein the electronic sales order data is in Electronic Data interchange format.

21. (Currently Amended) A computer program product comprising:
a computer usable medium having computer readable program code embodied in the medium for pre-processing orders ~~as presented at different ordering stages~~ before they are transmitted to an order processing system, the medium for pre-processing orders being capable of adding, changing and deleting electronic sales order data, wherein a hierarchy of the electronic sales order data is redetermined when changes are applied to an electronic sales order and changes to an electronic sales order are logged so as to provide an audit trail of activity, the computer program product having:

first computer program code for receiving electronic sales order data;

second computer program code for translating the electronic sales order data to an internal format;

third computer program code for transmitting the electronic sales order data to an interface system, wherein the interface system performs an availability check to determine the portions of the order interceptor data that can be satisfied; and

fourth computer program code for determining if the availability check indication is to transmit at least a portion of the order interceptor data to the order processing system, and, if so, transmitting the designated portions of the electronic sales order data to the order processing system.

22. (Original) A computer program product of claim 21, further having:
fifth computer program code for processing the electronic sales order data in accordance with business rules;

sixth computer program code for determining if there are any processing problems associated with the electronic sales order data; and

seventh computer program code for providing an indication to at least one user that the electronic sales order data contains errors or is incomplete.

23. (Original) A computer program product of claim 22 further comprising:
eighth computer program code for enabling a user to correct the electronic sales order data; and

ninth computer program code for transmitting the corrected electronic sales order data to the order processing system.

24. (Original) A computer program product of claim 23 further comprising:
tenth computer program code rejecting the electronic sales order data that cannot be filled; and

eleventh computer program code for updating at least one database to indicate the portions of the electronic order data that have been rejected.

25. (Currently Amended) The order interceptor system of claim 1, wherein the order interceptor ~~determine~~ determines if any processing problems are present and, if so, creates a workflow item that can be reviewed and modified prior to transmitting to the order processing system.

26. (Previously Presented) The order interceptor system of claim 1, wherein the order interceptor validates an accuracy of the electronic sales order at the different stages prior to transmitting to the order processing system.

27. (Currently Amended) The order interceptor system of claim 1, wherein the order interceptor ~~build-ups the electronic sales order~~ processes data by customer specific business rules prior to transmitting to the order processing system.

28. (Previously Presented) The order interceptor system of claim 27, wherein the order interceptor ensures all attributes are present and accurate in the electronic sales order prior to transmitting to the order processing system.

29. (Previously Presented) The order interceptor system of claim 1, wherein the order interceptor allows correction of problems in the electronic sales order in a prior to transmitting to the order processing system.

30. (Previously Presented) The order interceptor system of claim 1, wherein the electronic sales order data is a proposed customer order.

31. (Previously Presented) A system for pre-processing orders before they are transmitted to an order processing system, comprising:

an order interceptor receiving and pre-processing electronic sales order data prior to transmitting to the order processing system, wherein pre-processing the electronic sales order includes splitting the electronic sales order into at least two separate requests prior to transmitting to the order processing system;

an interface system receiving the electronic sales order data from the order interceptor and performing an availability check, wherein the availability check determines the portions of the electronic sales order data that can be satisfied; and

means for transmitting at least a portion of the electronic sales order data to the order processing system for order processing.